

not been repaired and numbers of dead shells could be seen in the sand. Should this watercourse ever be opened up will it be repopulated with these species, and whence will they come?

SOME MOLLUSCS FROM UTAH

BY S. T. BROOKS

In 1935 Mr. E. R. Eller, Assistant in the Section of Invertebrate Paleontology of the Carnegie Museum, spent some two months collecting recent mollusks and invertebrate fossils in the Uinta Basin, in and around Vernal, Uinta County, Utah. A study of this collection revealed a species and a subspecies new to science and added considerably to the collections of the Section of Recent Invertebrates. I wish, therefore, to acknowledge the efforts of Mr. Eller in behalf of this laboratory and wish to extend my appreciation to Dr. H. A. Pilsbry for his identification of the oreohelices and to Dr. F. C. Baker for his determination of the planorbids and lymnaeids.

1. *Oreohelix strigosa depressa* (Cockerell). Twelve miles north of Wellington. A large form measuring: diameter 26, altitude 14 mm. Salt Lake Meridian. Side Canyon at Dry Fork Canyon, "under rocks in a very dry locality," Range 20 East, Township 3 South, S. L. M. Brush Creek Canyon, R. 21 E, T. 1 S, S. L. M.

2. *Oreohelix subrudis* (Pfeiffer). Grouse Creek, thirty miles northeast of Vernal.

3. *Oreohelix* n. sp. This new species is in Dr. Pilsbry's hands for description. Hominy Creek near Whiterocks, R. 1 W, T. 2 N, Uinta Special Meridian.

4. *Retinella electrina* (Gould). Two and eight-tenths miles west of Vernal on Vernal-Lapoint Road, R. 21 E, T. 4 S, S. L. M. Two specimens, one albinistic.

5. *Euconulus fulvus alaskensis* (Pilsbry). Same locality.

6. *Euconulus fulvus* (Müller). Same locality.

7. *Vertigo elatior* Sterki. Same locality.

8. *Discus cronkhitei anthonyi* (Pilsbry). Same locality.

9. *Succinea avara* Say. Same locality.

10. *Vallonia gracilicosta* Reinhardt. Same locality.

11. *Gyraulus similaris* (F. C. Baker). Same locality. Also Paradise Park Pond, R. 1 E, T. 3 N, U. S. M. The whorls of this form are raised more than in the specimens from Vernal-Lapoint road. Altitude of this locality, 10,000 feet.

12. *Helisoma subcrenatum* (Carpenter). Small pond in the Uinta Mountains along the Vernal-Manila road. Mr. Eller's notes state that the pool was about 150 feet in diameter and with no outlet. The shells occurred in great numbers, "tens of thousands," in piles along the shore. The ratio of this occurrence was *H. subcrenatum*, 1, to *Stagnicola palustris nuttalliana* (Lea), 7. R 22 E, T 1 S, S. L. M.

13. *Stagnicola palustris nuttalliana* (Lea). Collected at same localities as 4, 11 and 12.

14. *Stagnicola palustris wyomingensis* F. C. Baker. Willows Creek, 45 miles south of Vernal; R. 20 E, T 11 S, S. L. M.

15. *Stagnicola caperata* (Say). With *Succinea avara* Say.

16. *Stagnicola bulimoides techella* (Haldeman). Pond seven miles north of Farm Creek near the summit, altitude 10,000 feet. R. 2 W, T. 4 N., U. S. M.

17. *Fossaria obrussa* (Say). Same locality.

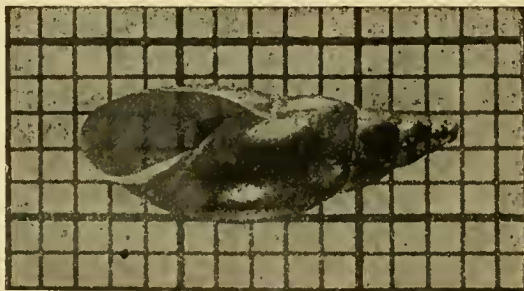


FIG. 1.

18. *Aplexa hypnorum pilsbryi* Brooks. Fig. 1. Type locality: Pond near Whiterocks River at Paradise Creek, Whiterocks Canyon, near Whiterocks, Utah, R. 1 E, T. 3 S., U. S. M. THE NAUTILUS, Vol. 48, p. 100, 1935. Another form of this species which differs slightly from this was found with *Succinea avara*, same locality as no. 4.